FIGURE 1

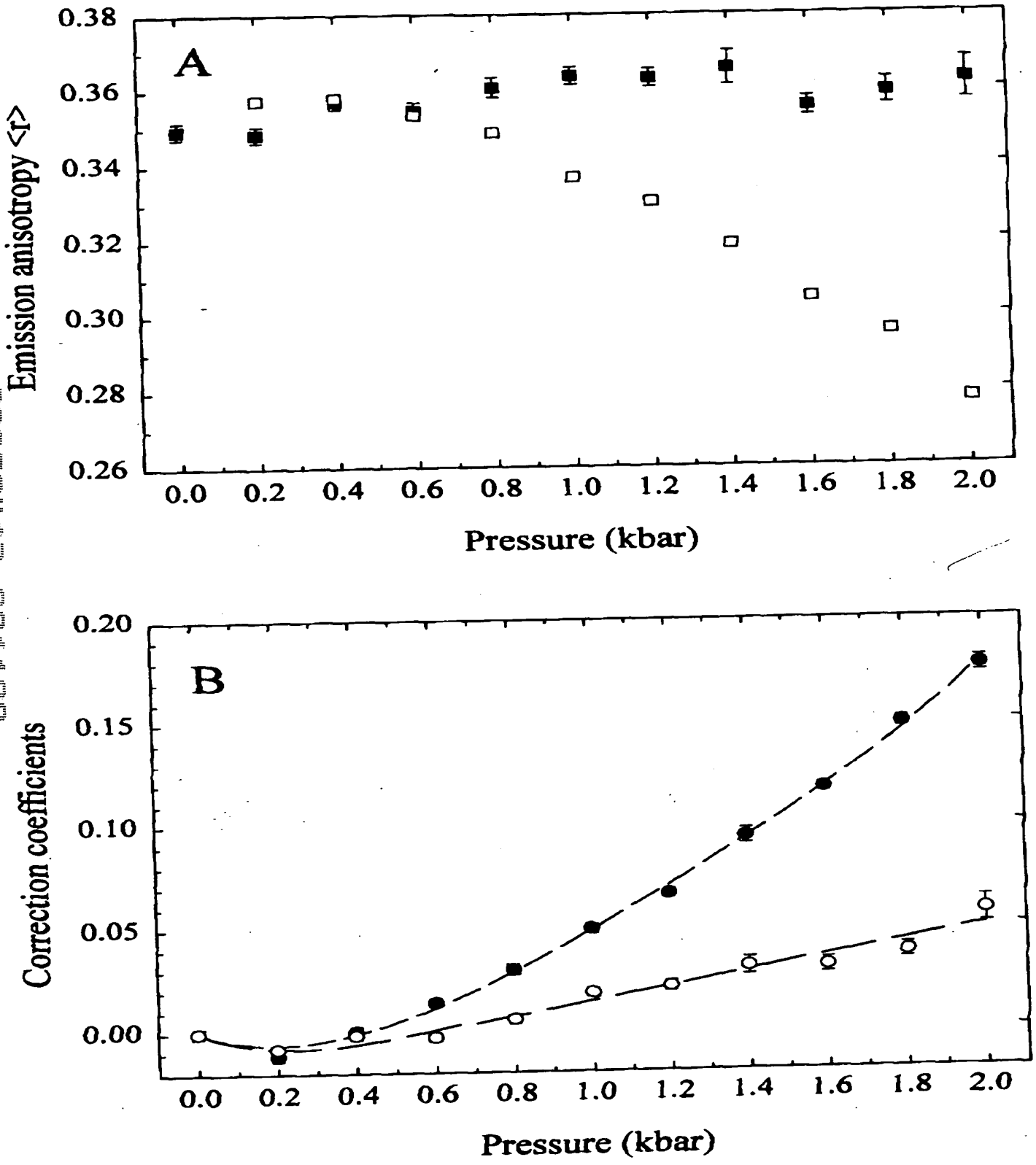

A
Emission anisotropy <r>
0.38
0.36
0.34
0.32
0.30
0.28
0.26
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
Pressure (kbar)
B
Correction coefficients
0.20
0.15
0.10
0.05
0.00
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
Pressure (kbar)

FIGURE 2-

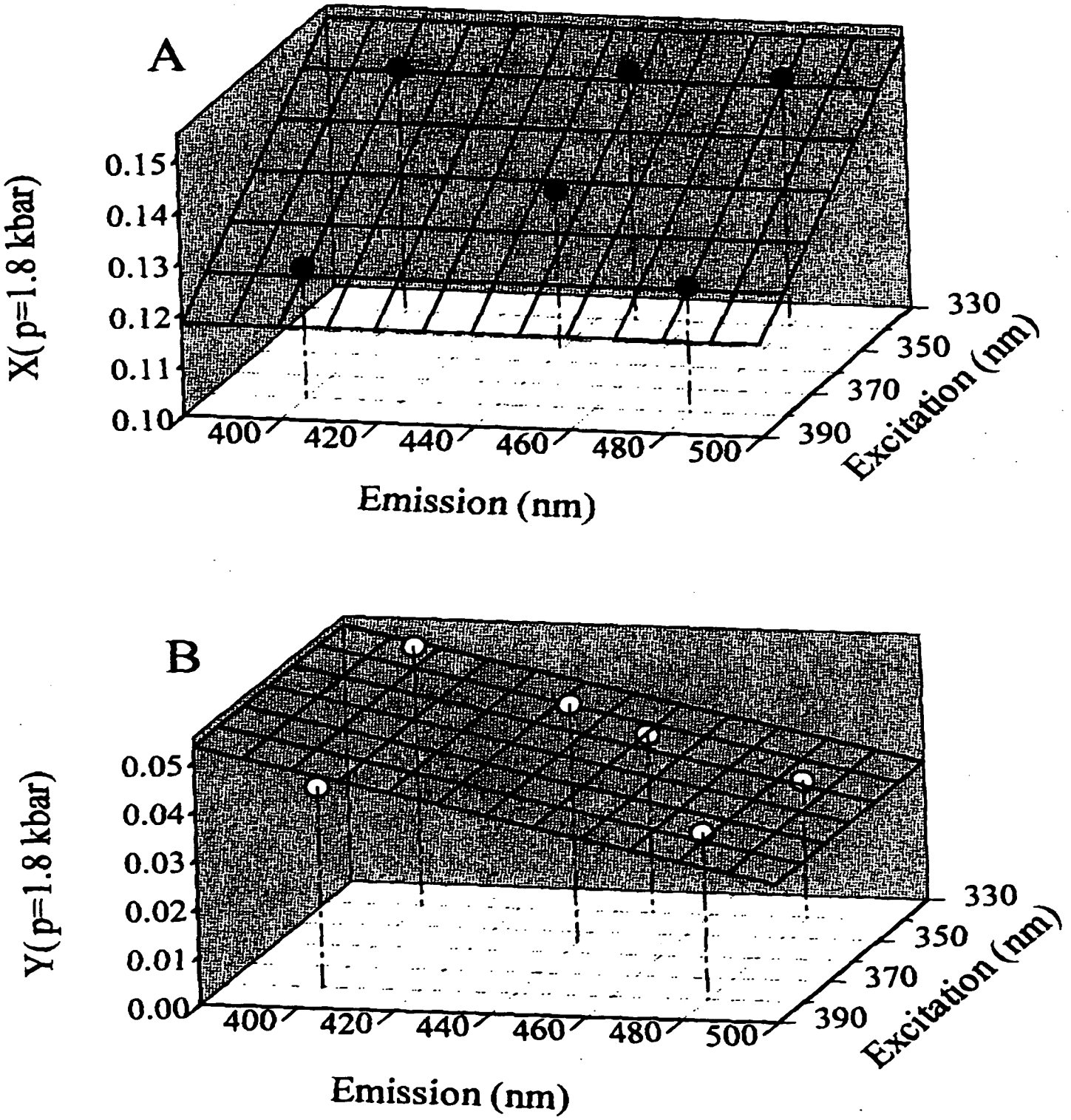

A
X(p=1.8 kbar)
0.15
0.14
0.13
0.12
0.11
0.10
400
420
440
460
480
500
Emission (nm)
330
350
370
390
Excitation (nm)
B
Y(p=1.8 kbar)
0.05
0.04
0.03
0.02
0.01
0.00
400
420
440
460
480
500
Emission (nm)
330
350
370
390
Excitation (nm)

FIGURE 3

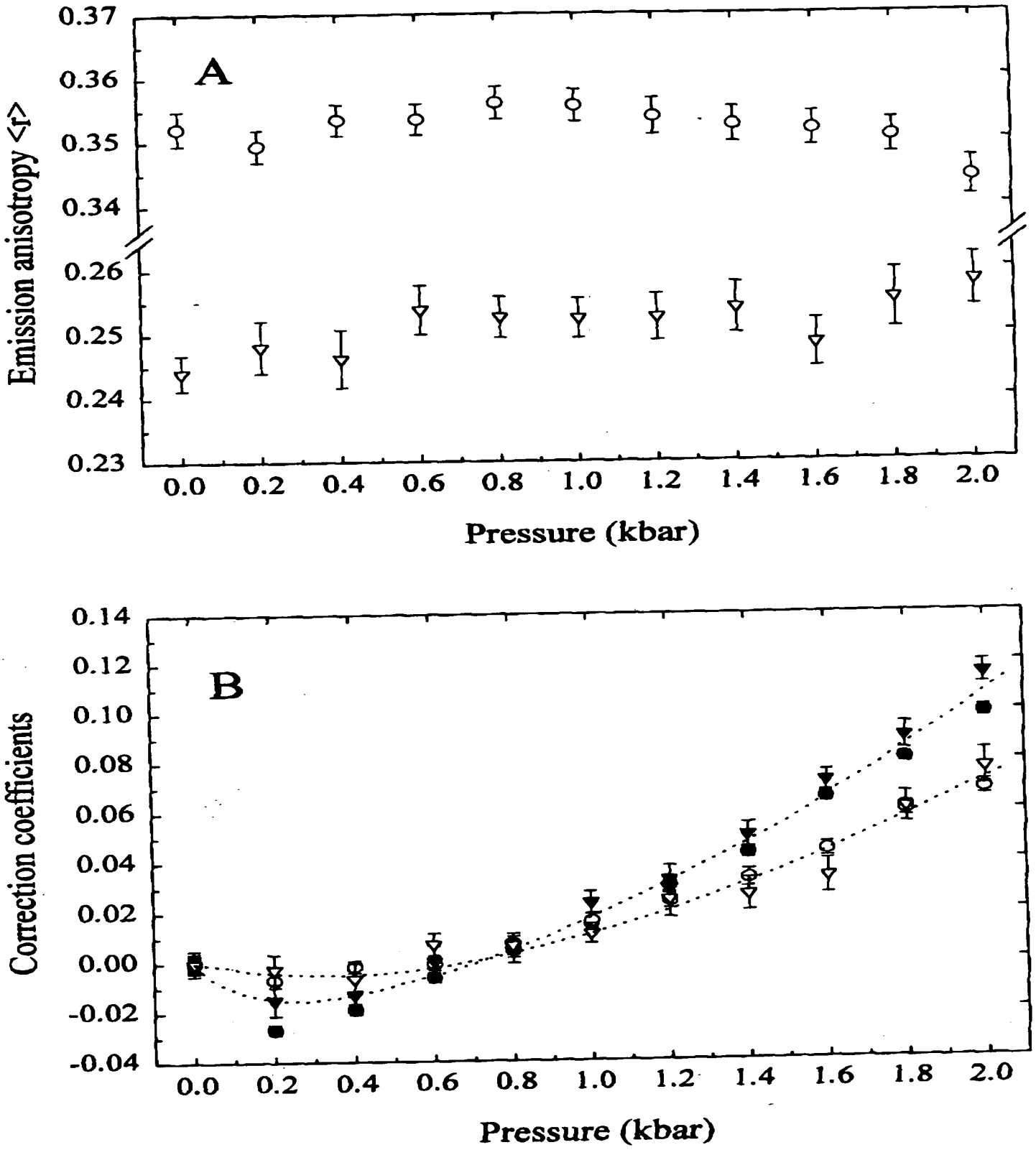

A
Emission anisotropy <r>
0.37
0.36
0.35
0.34
0.26
0.25
0.24
0.23
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
Pressure (kbar)
B
Correction coefficients
0.14
0.12
0.10
0.08
0.06
0.04
0.02
0.00
-0.02
-0.04
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
Pressure (kbar)

FIGURE 4

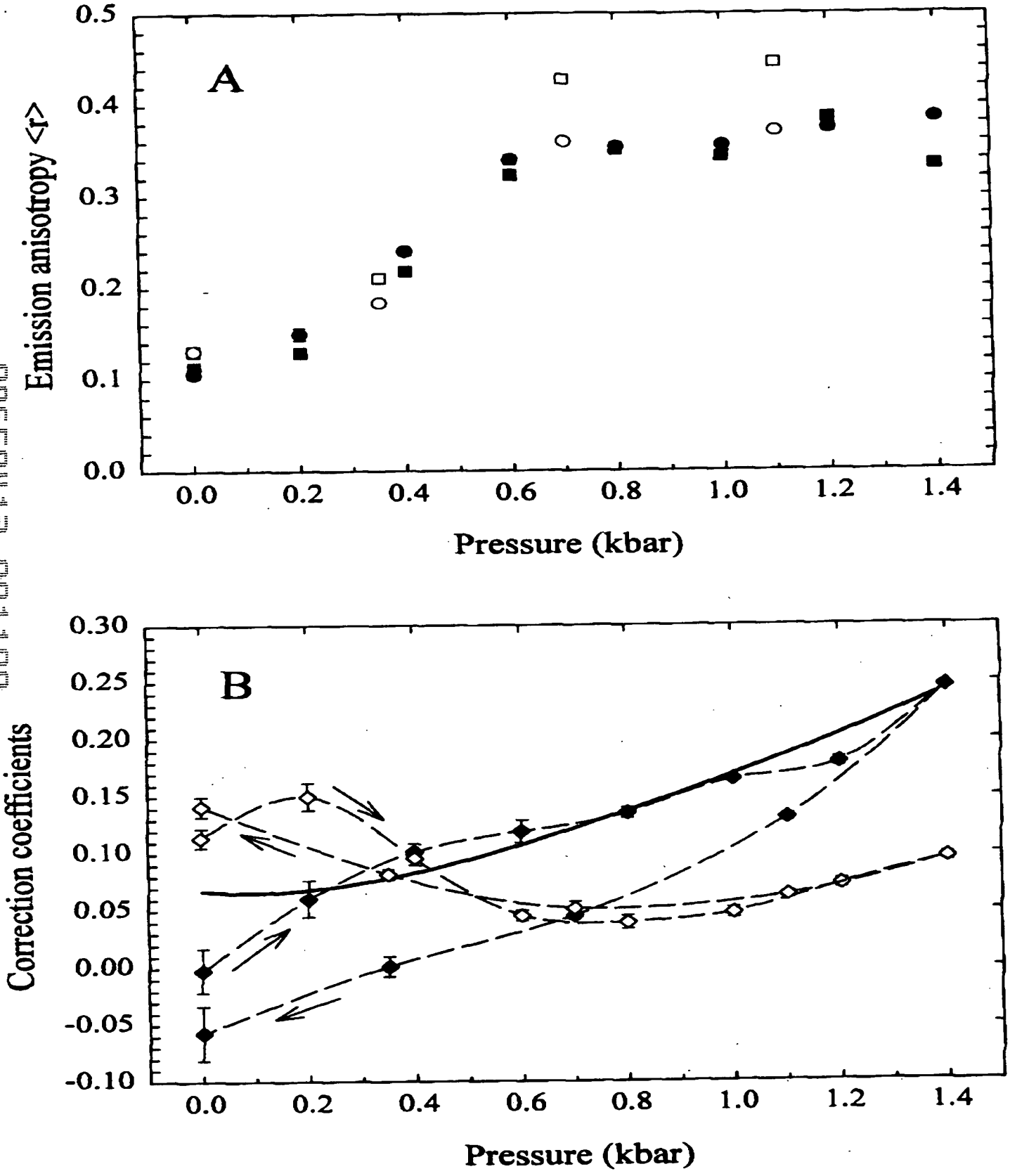

A
Emission anisotropy <r>
0.5
0.4
0.3
0.2
0.1
0.0
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
Pressure (kbar)
B
Correction coefficients
0.30
0.25
0.20
0.15
0.10
0.05
0.00
-0.05
-0.10
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
Pressure (kbar)

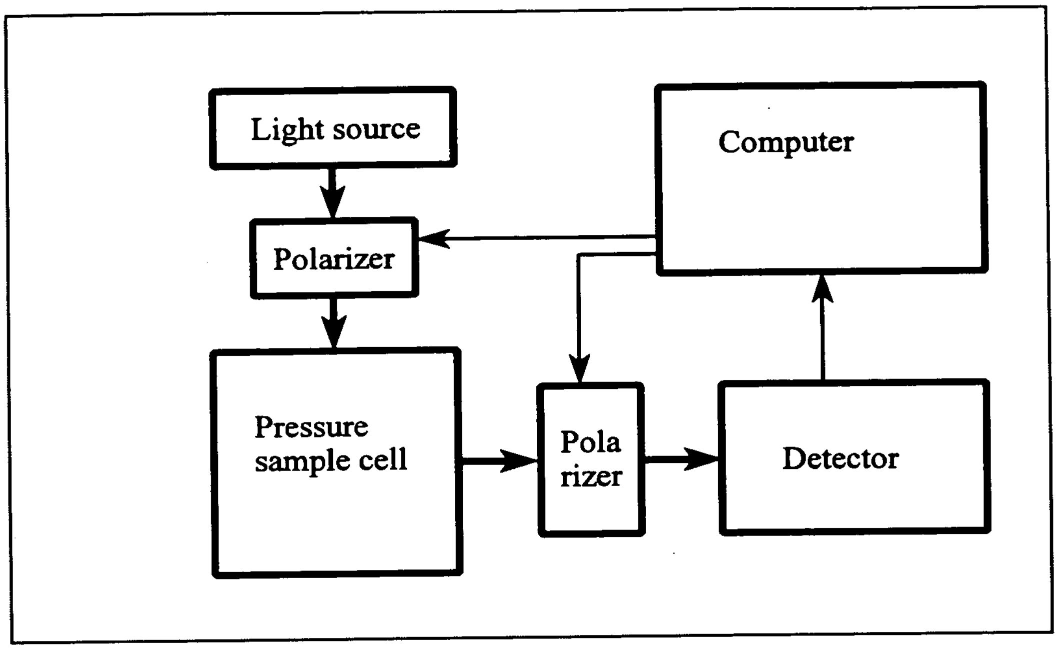
FIGURE 5A

	Method of total intensity measurement	Excitation	Emission	<r>	Obtained intensity of fluorescence at		Comments
					X(p=1bar)=0 Y(p=1bar)=0	X(p=1.4 kbar)=0.25 Y(p=1.4 kbar)=0.10	
1	photocurrent	fixed vertical polarizer	no polarizer	0.1	1.00	0.92	Not recommended even for non-pressure experiments, very instrument dependent
				0.36	1.16	1.014	
2	photocurrent	unpolarized light	no polarizer	0.1	1.00	0.997	Less instrument dependent, but true non-polarized light is difficult to obtain
				0.36	0.96	0.95	
3	Magic angle, Method 1	fixed vertical polarizer	fixed polarizer at 55° to vertical	0.1	1.00	0.983	Recommended for non-pressure experiments
				0.36	1.00	0.937	
4	Magic angle, Method 2	fixed polarizer at 55° to vertical	fixed vertical polarizer	0.1	1.00	1.013	Recommended for non-pressure experiments
				0.36	1.00	1.045	
5	Magic angle, Method 3	depolarized light	fixed polarizer at 55° to horizontal	0.1	1.00	0.995	Recommended for non-pressure experiments, but true non-polarized light is difficult to obtain
				0.36	1.00	0.982	
6	Magic angle, Method 4	fixed polarizer at 55° to horizontal	scrambling plate	0.1	1.00	0.988	Recommended for non-pressure experiments
				0.26	1.00	0.955	
7	calculated with formula: $G \cdot i_{VV} + 2 \cdot i_{VH}$	fixed vertical polarizer	rotating polarizer	0.1	1.00	0.98	Recommended for non-pressure experiments, G must be known
				0.36	1.00	0.94	

	Method of total intensity measurement	Excitation	Emission	<r>	Obtained intensity of fluorescence at		Comments
					X(p=1bar)=0 Y(p=1bar)=0	X(p=1.4 kbar)=0.25 Y(p=1.4 kbar)=0.10	
8	calculated with formula: $\frac{i_{HH}}{i_{HV}} \cdot i_{VV} + 2 \cdot i_{VH}$	rotating polarizer	rotating polarizer	0.1	1.00	0.96	Recommended for non-pressure experiments, definitely wrong for pressure domain
				0.36	1.00	0.83	
9	Calculated with equation (6)	rotating polarizer	rotating polarizer	0.1	1.00	1.00	Recommended for pressure domain experiments, G and E factors must be known
				0.36	1.00	1.00	

FIGURE 5B

Figure 6



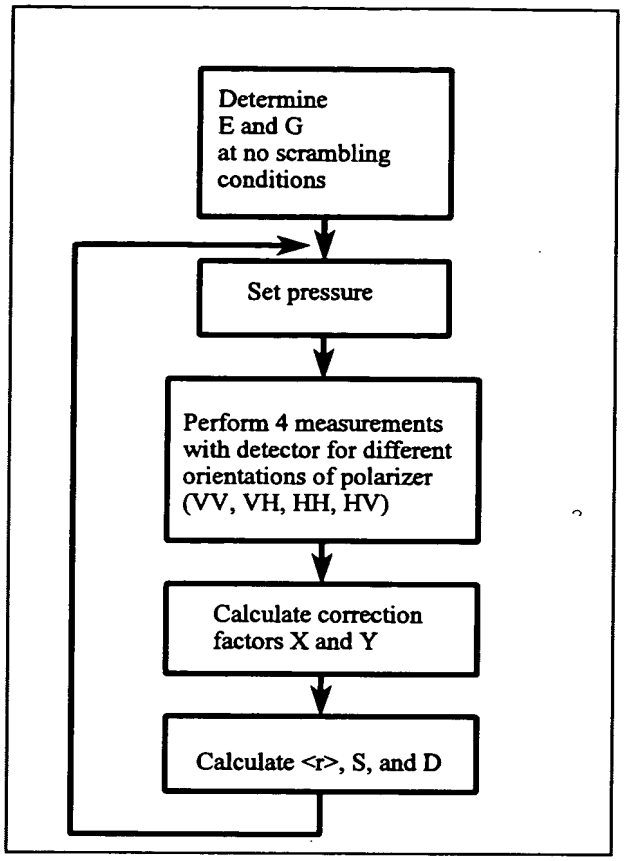


Figure 7